

**SIEMENS Corporation – IP Dept.**170 Wood Avenue South  
Iselin, New Jersey 08830**PATENT APPLICATION**ATTORNEY DOCKET NO.: 2003P10141US01Express Mail No.: EV335968875USDate of Deposit: OCT. 23, 2003IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICEInventor(s): **LIAO et al.**

Serial No.: Unassigned

Filing Date: Herewith

Title: **METHOD AND APPARATUS FOR PROVIDING A DELAY GUARANTEE FOR A WIRELESS NETWORK**

COMMISSIONER FOR PATENTS

P.O. Box 1450  
Alexandria, VA 22313-1450INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97 (b), or  
(Within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97 (c) together with either a:  
☐ Certification under 37 CFR 1.97 (e), or  
☐ A \$240.00 fee under 37 CFR 1.17 (p) authorized to be charged to Deposit Account **19-2179**. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **19-2179** pursuant to 37 CFR 1.25.  
 (After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:  
☐ Certification under 37 CFR 1.97 (e), and  
☐ a petition under 37 CFR 1.97 (d) (2) (ii), required with fee under 37 CFR 1.17(i)(1)  
 (Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)
- ☐ under 37 CFR 1.97 (i)  
☐ Filed after payment of issue fee, but before grant of patent - No fee or certification required

Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content that is given on the attached sheet or by the enclosed English-language search report.

☐ The undersigned hereby certifies under 37 CFR 1.97(e)(1) that each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or

☐ The undersigned certifies under 37 CFR 1.97(e)(2) that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 1.56(c) more than three months prior to the filing of the information disclosure statement.

[X] Applicant does not believe any fee is due. However, at any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 19-2179 pursuant to 37 CFR 1.25. A duplicate copy of this sheet is enclosed.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made or that no other material information exists. Further, the filing of this information disclosure statement shall not be construed as an admission against interest in any manner or as an admission that the information cited is, or is considered to be material to patentability.

It is requested that the information disclosed herein be made of record in this application.

Respectfully Submitted,



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Rosa S. Kim  
Attorney for Applicant(s)  
Reg. No.: 39,728  
Date: Oct. 23, 2003  
Telephone No.: (650) 694-5330

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Applicant Number	<del>Not yet assigned</del> 10/692269
				Filing Date	Herewith
				First Named Inventor	Liao
				Group Art Unit	<del>Not yet assigned</del> 2474
Sheet	1	of	2	Examiner Name	<del>Not yet assigned</del> habte mered
				Attorney Docket Number	2003P10141US01

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
/H.M./	A	5,432,790		Hluchyj et al.	07/11/1995	
/H.M./	B	5,633,861		Hanson et al.	05/27/1997	
/H.M./	C	6,002,667		Manning et al.	12/14/1999	
/H.M./	D	6,529,499	B1	Doshi et al.	03/04/2003	
/H.M./	E	6,574,220	B1	Petty	06/03/2003	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

Examiner Signature	/Habte Mered/	Date Considered	06/10/2007
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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			Application Number	Not yet assigned	
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			First Named Inventor	Liao	
			Group Art Unit	Not yet assigned 2474	
			Examiner Name	Not yet assigned	
Sheet	2	of	2	Attorney Docket Number	2003P10141US01

OTHER NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/H.M./	F	Veres, Andras et al. "Supporting Service Differentiation in Wireless Packet Networks Using Distributed Control", IEEE Journal on Selected Areas in Communications, Vol. 19, No. 10, October 2001, 0733-8716. Pages 2081-2093.	
	G	Mangold, Stefan et al. "IEEE 802.11e Wireless LAN for Quality of Service", ComNets RWTH Aachen Univ. of Technology, D-52074 Aachen - German; Philips Research USA - Briarcliff Manor - New York 10510 - USA; Philips Research German - D52064 Aachen - German, 8pgs. <del>Not considered because publication date is missing</del>	
/H.M./	H	Bianchi, Giuseppe "Performance Analysis of the IEEE 802.11 Distributed Coordination Function", IEEE Journal on Selected Areas in Communications, Vol. 18, No. 3, March 2003, 0733-8716. Pages 535-547.	
/H.M./	I	Supplement to IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - "Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications - High-speed Physical Layer in the 5 GHz Band", IEEE Standard 802.11a-1999 (Supplement to IEEE Std 802.11-1999). Adopted by the ISO/IEC and redesignated as ISO/IEC 8802-11:1999/Amd 1:2000(E). Copyright © 1999 IEEE. 91pgs.	
/H.M./	J	Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - "Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications", ANSI/IEEE Std. 802.11, 1999 Edition, copyright © 1999 IEEE. 528pgs.	

Examiner Signature	/Habe Mered/	Date Considered	06/10/2007
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